Attorney Docket No. 14917.0230US01

Amendments to the Claims:

Listing of Claims

1. (Currently Amended)   A method of making ready for presentation a graphical element in a computer application program by communicating with a computer operating system, the method comprising:

    executing a first procedure for measuring the element, wherein the first procedure at least determines whether the element has one or more children and determines a size for the element based on an element type for the element when the element has no children;

    executing a second procedure for arranging the element; and

wherein the second procedure is invoked and executed independently from the first procedure.

2. (Original)   The method of claim 1, wherein the first procedure returns a desired size for the element.

3. (Original)   The method of claim 2, wherein the first procedure computes desired sizes for child-elements of the element.

4. (Original)   The method of claim 2, wherein the first procedure comprises determining whether a child-element requires computation of its desired size.

5. (Original)   The method of claim 1, wherein the second procedure computes a final size for the element.

6. (Original)   The method of claim 5, wherein the second procedure further computes display positions for a child-element of the element.

7. (Original)   The method of claim 1, further comprising signaling the element's need to be measured by the first procedure.

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8. (Original)   The method of claim 7, wherein the signaling step comprises calling a measure invalidation function.

9. (Original)   The method of claim 8, wherein the signaling step further comprises setting a flag on the element.

10. (Original)   The method of claim 7, wherein the signaling step comprises notifying the operating system.

11. (Original)   The method of claim 7, wherein the signaling step comprises notifying the element's parent-element.

12. (Original)   The method of claim 7, wherein the element requests the measuring of all elements needing to be measured.

13. (Original)   The method of claim 1, further comprising signaling with a signal an element's need to be arranged by the second procedure.

14. (Original)   The method of claim 13, wherein the signal comprises calling an arrange invalidation function.

15. (Original)   The method of claim 14, wherein the signaling step further comprises setting a flag on the element.

16. (Original)   The method of claim 13, wherein the element requests the arranging of all elements needing to be arranged.

17. (Currently Amended)   A set of executable procedures callable by a computer application program for making ready for presentation a graphical element, including at least:

       a first procedure for measuring the element;

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a second procedure for arranging the element, wherein the second procedure at least determines whether the element has one or more children and performs internal arrangement functions on the element when the element has no children; and

wherein the first procedure and the second procedure are used to manage a layout of one or more